

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0855135011

Status:

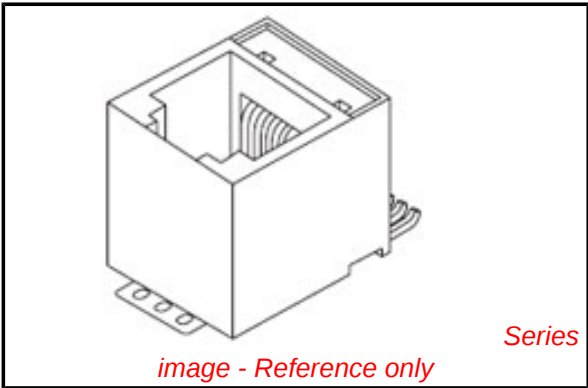
Active

Overview:

modular\_plugs\_jacks

Description:

SMT Jack for Mating with F.C.C 68 Plugs, 6/4 Circuits



|                                                 |                                                          |
|-------------------------------------------------|----------------------------------------------------------|
| Documents:                                      |                                                          |
| <a href="#">3D Model</a>                        | <a href="#">Product Specification PS-85513-002 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>                   | <a href="#">RoHS Certificate of Compliance (PDF)</a>     |
| <a href="#">Application Specification (PDF)</a> |                                                          |

|                                |                                |
|--------------------------------|--------------------------------|
| Agency Certification           |                                |
| UL                             | E107635                        |
| General                        |                                |
| Product Family                 | Modular Jacks/Plugs            |
| Series                         | 85513                          |
| Comments                       | Reel size: 22"                 |
| Component Type                 | PCB Jack                       |
| Magnetic                       | No                             |
| Overview                       | modular_plugs_jacks            |
| Performance Category           | 3                              |
| Power over Ethernet (PoE)      | N/A                            |
| Product Name                   | RJ11                           |
| Physical                       |                                |
| Boot Color                     | N/A                            |
| Color - Resin                  | Black                          |
| Durability (mating cycles max) | 500                            |
| Flammability                   | 94V-0                          |
| Inverted / Top Latch           | No                             |
| Lightpipes/LEDs                | None                           |
| Material - Metal               | Brass                          |
| Material - Plating Mating      | Gold                           |
| Material - Plating Termination | Tin                            |
| Material - Resin               | High Temperature Thermoplastic |
| Orientation                    | Vertical (Top Entry)           |
| PCB Locator                    | No                             |
| PCB Retention                  | Yes                            |
| Packaging Type                 | Embossed Tape on Reel          |
| Pitch - Mating Interface (in)  | 0.040 In                       |
| Pitch - Mating Interface (mm)  | 1.02 mm                        |
| Pitch - Term. Interface (in)   | 0.050 In                       |
| Pitch - Term. Interface (mm)   | 1.27 mm                        |
| Plating min: Mating (µin)      | 50.8                           |
| Plating min: Mating (µm)       | 1.27                           |
| Plating min: Termination (µin) | 76                             |
| Plating min: Termination (µm)  | 1.9                            |
| Ports                          | 1                              |
| Positions / Loaded Contacts    | 6/4                            |
| Surface Mount Compatible (SMC) | Yes                            |
| Temperature Range - Operating  | -40°C to +80°C                 |
| Termination Interface: Style   | Surface Mount                  |
| Waterproof / Dustproof         | No                             |
| Wire/Cable Type                | N/A                            |
| Electrical                     |                                |

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed

China RoHS



Need more information on product environmental compliance?

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)

For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series

85513Series

Mates With

90075 series

|                               |               |
|-------------------------------|---------------|
| Current - Maximum per Contact | 1.5A          |
| Shielded                      | No            |
| Voltage - Maximum             | 125V AC (RMS) |

**Solder Process Data**

|                                                |                           |
|------------------------------------------------|---------------------------|
| Duration at Max. Process Temperature (seconds) | 45                        |
| Lead-free Process Capability                   | Reflow Capable (SMT only) |
| Max. Cycles at Max. Process Temperature        | 3                         |
| Process Temperature max. C                     | 260                       |

**Material Info**

**Reference - Drawing Numbers**

|                         |              |
|-------------------------|--------------|
| Packaging Specification | PK-85513-001 |
| Product Specification   | PS-85513-002 |
| Sales Drawing           | SD-85513-010 |

This document was generated on 06/08/2010

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## NOTES:

### 1- MATERIAL:

- HOUSING:LCP GLASS FILLED UL 94-V0, COLOUR BLACK,
- TERMINAL: BRASS PLATED WITH: 0.00127/.000050 MIN GOLD IN CONTACT AREA, 0.00190/.000075 MIN PURE TIN IN TAIL AREA, BOTH OVER 0.00127/.000050 MIN NICKEL OVERALL.

### 2- JACK FOR MATING WITH F.C.C.68 PLUGS (MOLEX 90075 SERIES).

### 3- PRODUCT SPECIFICATION: PS-85513-002.

### 4- PACKAGING SPECIFICATION (SEE CHART SHEET2):

PK-85513-001 SHEET 3 (BLISTER ON REEL 13")

PK-85513-001 SHEET 1 (BLISTER ON REEL 15")

PK-85513-001 SHEET 2 (BLISTER ON REEL 22")

### 5- FLAT SURFACE ON BOTH SIDES FOR PICK AND PLACE PURPOSE

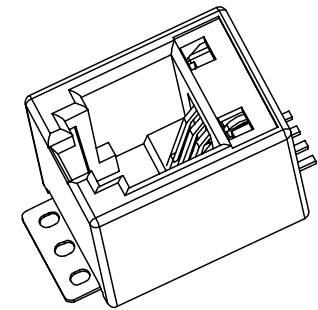
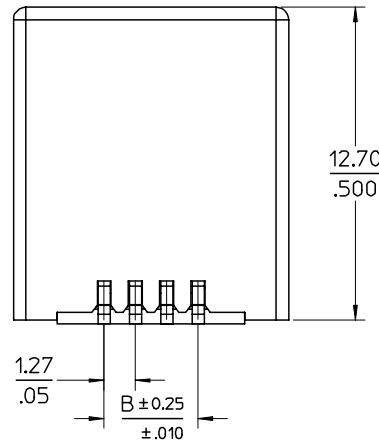
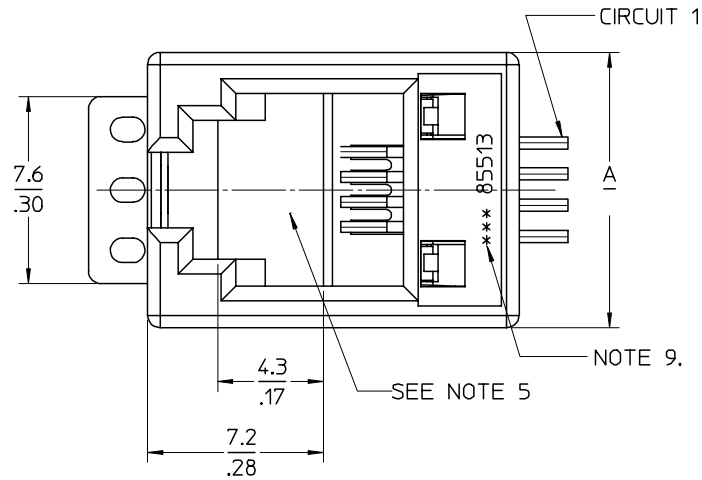
### 6- COPLANARITY OF LEADS AND TABS: 0.10/.004 MAX

### 7- SEE RECOMMENDED PCB LAYOUT ON SHEET 2

### 8- FOR DRAWING PURPOSE, ONLY 4/4 VERSION SHOWN.

### 9- MANUFACTURING I.D CAN BE EITHER MXF,MG OR MXI.

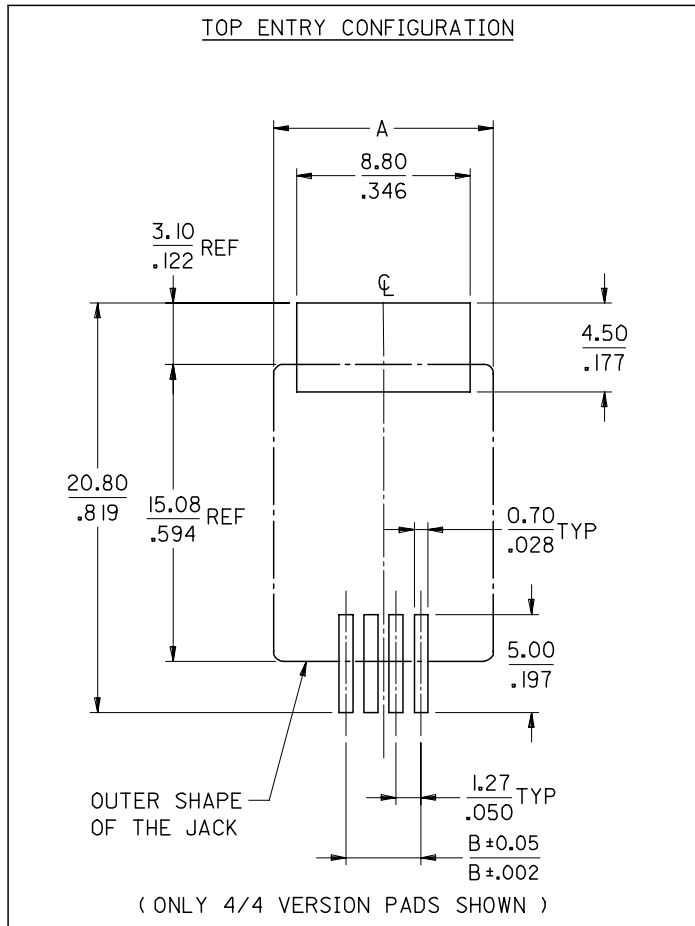
### 10- APPLICATION SPEC AS-85513-001



ISOMETRIC VIEW  
(NOT SCALED)

|                                                                                     |                                                      |             |                                   |                                                            |        |                          |             |              |                                                                                    |                        |  |           |  |  |  |
|-------------------------------------------------------------------------------------|------------------------------------------------------|-------------|-----------------------------------|------------------------------------------------------------|--------|--------------------------|-------------|--------------|------------------------------------------------------------------------------------|------------------------|--|-----------|--|--|--|
| MODIFIED MATERIAL.<br>EC NO: E2007-0716<br>DRWN: DBYRNES<br>CHKD:<br>APPR: EOMAHONY | 2007/02/15<br>2007/02/15<br>2007/02/15<br>2007/02/15 | DESCRIPTION | QUALITY SYMBOLS<br><br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |        | DIMENSION STYLE<br>MM/IN |             | SCALE<br>5:1 | DESIGN UNITS<br>METRIC                                                             | THIRD ANGLE PROJECTION |  |           |  |  |  |
|                                                                                     |                                                      |             |                                   |                                                            | mm     | INCH                     | DRAWN BY    | DATE         | TITLE<br>LOW PROFILE TOP ENTRY<br>TRUE SMT JACK WITH P&P<br>SURFACE(SHORT VERSION) |                        |  |           |  |  |  |
|                                                                                     |                                                      |             |                                   | 4 PLACES                                                   | ± ---  | ± ---                    | DBYRNES     | 2006/08/17   |                                                                                    |                        |  |           |  |  |  |
|                                                                                     |                                                      |             |                                   | 3 PLACES                                                   | ± ---  | ±.006                    | CHECKED BY  | DATE         |                                                                                    |                        |  |           |  |  |  |
|                                                                                     |                                                      |             |                                   | 2 PLACES                                                   | ± 0.15 | ±.010                    | EOMAHONY    | 2006/08/17   | MOLEX INCORPORATED                                                                 |                        |  |           |  |  |  |
|                                                                                     |                                                      |             |                                   | 1 PLACE                                                    | ± 0.25 | ± ---                    | APPROVED BY | DATE         |                                                                                    |                        |  |           |  |  |  |
|                                                                                     |                                                      |             |                                   | ANGULAR ± 2 °                                              |        | EOMAHONY                 | 2006/08/17  | MATERIAL NO. |                                                                                    | DOCUMENT NO.           |  | SHEET NO. |  |  |  |
|                                                                                     |                                                      |             |                                   | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |        | SEE CHART                |             | SD-85513-010 |                                                                                    | 1 OF 2                 |  |           |  |  |  |
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|                                                                                     |                                                      |             |                                   |                                                            |        |                          |             |              |                                                                                    |                        |  |           |  |  |  |
|                                                                                     |                                                      |             |                                   |                                                            |        |                          |             |              |                                                                                    |                        |  |           |  |  |  |
|                                                                                     |                                                      |             |                                   |                                                            |        |                          |             |              |                                                                                    |                        |  |           |  |  |  |
|                                                                                     |                                                      |             |                                   |                                                            |        |                          |             |              |                                                                                    |                        |  |           |  |  |  |
|                                                                                     |                                                      |             |                                   |                                                            |        |                          |             |              |                                                                                    |                        |  |           |  |  |  |

# RECOMMENDED PCB LAYOUTS ( SEE FROM COMPONENT SIDE )



| PART. NO.  | HOUSING SIZE | LOADED CKTS | TOOLED | A             | B            | PACKAGING           | PACKAGING SPEC.      |
|------------|--------------|-------------|--------|---------------|--------------|---------------------|----------------------|
| 85513-5013 | 8            | 8           | YES    | 15.24<br>.600 | 8.89<br>.350 | BLISTER ON REEL 13" | PK-85513-001 SHEET 3 |
| 85513-5001 |              |             | YES    |               |              | BLISTER ON REEL 15" | PK-85513-001 SHEET 1 |
| 85513-5009 |              |             | YES    |               |              | BLISTER ON REEL 22" | PK-85513-001 SHEET 2 |
| 85513-5014 | 6            | 6           | YES    | 13.21<br>.520 | 6.35<br>.250 | BLISTER ON REEL 13" | PK-85513-001 SHEET 3 |
| 85513-5002 |              |             | YES    |               |              | BLISTER ON REEL 15" | PK-85513-001 SHEET 1 |
| 85513-5010 |              |             | YES    |               |              | BLISTER ON REEL 22" | PK-85513-001 SHEET 2 |
| 85513-5015 | 6            | 4           | YES    | 13.21<br>.520 | 3.81<br>.150 | BLISTER ON REEL 13" | PK-85513-001 SHEET 3 |
| 85513-5003 |              |             | YES    |               |              | BLISTER ON REEL 15" | PK-85513-001 SHEET 1 |
| 85513-5011 |              |             | YES    |               |              | BLISTER ON REEL 22" | PK-85513-001 SHEET 2 |
| 85513-5016 | 4            | 4           | YES    | 11.18<br>.440 | 3.81<br>.150 | BLISTER ON REEL 13" | PK-85513-001 SHEET 3 |
| 85513-5004 |              |             | YES    |               |              | BLISTER ON REEL 15" | PK-85513-001 SHEET 1 |
| 85513-5012 |              |             | YES    |               |              | BLISTER ON REEL 22" | PK-85513-001 SHEET 2 |

SEE SHEET 1  
EC NO: E2007-0716  
2007/02/15  
DRWN:DBYRNES  
CHKD:  
2007/02/15  
APPR:EOMAHONY  
2007/02/15

QUALITY SYMBOLS  
▽=0  
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

|               | mm     | INCH    |
|---------------|--------|---------|
| 4 PLACES      | ± .005 | ± .0006 |
| 3 PLACES      | ± .005 | ± .0006 |
| 2 PLACES      | ± 0.15 | ± .010  |
| 1 PLACE       | ± 0.25 | ± .010  |
| ANGULAR ± 2 ° |        |         |

DRAFT WHERE APPLICABLE  
MUST REMAIN  
WITHIN DIMENSIONS

DIMENSION STYLE  
MM/IN

DRAWN BY DATE  
DBYRNES 2006/08/17  
CHECKED BY DATE  
EOMAHONY 2006/08/17  
APPROVED BY DATE  
EOMAHONY 2006/08/17

MATERIAL NO.  
SEE CHART

SCALE  
1:1

DESIGN UNITS  
METRIC

THIRD ANGLE  
PROJECTION

LOW PROFILE TOP ENTRY  
TRUE SMT JACK WITH P&P  
SURFACE(SHORT VERSION)

MOLEX INCORPORATED

DOCUMENT NO. SD-85513-010 SHEET NO. 2 OF 2

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



Тел: +7 (812) 336 43 04 (многоканальный)

Email: [org@lifeelectronics.ru](mailto:org@lifeelectronics.ru)

[www.lifeelectronics.ru](http://www.lifeelectronics.ru)